Copyright Outline

1 Introduction

- Questions from last time...
- Announcements
- Outline for this week. This week again focuses on an area where mathematics diverges significantly from the STEM mainstream.[1] Not much data collection that happens in mathematics. Copyright for teaching leads to interesting questions however. Additionally, this is a slightly more legalistic week, since copyright is a legal not a ethical concept.
- 60 Springer papers retracted last week for fake reviews
- Beall's List
- Psychics

1.1 Warm–ups

- Dussold case
- EMAIL copyright
- slobolab images
- Class notes for sale?
- Georgia State Course Reserves
- Peter Doyle copyright –permits plagiarism?
- –permits copyright

2 Data Discussion

- What is data?
- Who owns data?
- Why do we have these policies?
- What is Dartmouth's Data policy
- Lab notebooks/PI policies
- Data availability
- Data Analysis
- St. Mary's vs. Georgia State
- Twitter for insurance

2.1 Figure Manipulation

- Washington Post Rule
- Western Blots
- Plots
- Captions figure
- What kinds of things are impermissible?

[1] lol

2.2 Replication Crisis

- p-testing
- Researcher degrees of freedom
- What leads to this?
- How can this occur, even in the phyiscal sciences?

3 Intellectual Property Discussion

- Trademarks and trade secrets
- – not much in academia
- Patents
  - Section D of Dartmouth Policy
  - novelty
  - first to file
  - public disclosure can harm
  - must be registered
  - 3-5 years
- Copyright
  - Expression not idea
  - forms at creation
  - no registration required
  - Originality
  - Life+50 or 75,100 for sponsored work
  - lots of options (cc etc.)
  - Coauthors
  - How does publication work?
- For each ask what it is how it is registered what it protects etc.

4 Fair Use

- What is fair use?
- Discuss Components
- Discuss places where it occurs
- Hand out Columbia check lists

5 Case Studies

- 9.9 9.4 9.6 9.9
- Use checklists to evaluate
- Why does it matter
- Consequences?

Copyright Macrina Cases

1. As is sometimes the case, the student and advisor are not seeing eye to eye. The relatinoship grows increasingly acrimonious, but the students completes her dissertation and successfully defends it. The student finds a good postdoc and is glad to be moving on. Bitter over the way she believes she has been treated by her advisor, she informs him that she is not going to publish any more of her dissertation work. Further, he is not allowed to publish any of the work either. The advisor is frantic; he received a federal grant to do the work. he needs to show that the proposed work has been carried out by publishing the data in peer-reviewed journals. Yet he is afraid that if he uses any of the data from the copyright dissertation he will be sued? What copyright issues and data ownership issues are relevant?

2. A Postdoc and his mentor have coauthored a paper describing their research results. This paper appears as a preliminary report in a copyrighted monograph. One of the figures in the appear is a computer–generated graph that described data on a series of bacterial growth curves. The postdoc and mentor are now preparing a major paper for submission to a peer reviewed journal. They both agree that the growth curve data in the monograph article are crucial to the story that they are telling in the manuscript. Because they are aware of copyright violations they generate the exact same figure with different fonts and line thicknesses. They then decide that since it is not the same figure the use will not constitute copyright infringement. They also plan to indicate in their manuscript that this figure has been "adapted from" the monograph. Comment on this plan? Is this copyright infringement? What if they had not been the authors of the monograph? How much modification is necessary?

3. Dr H subsribed to a popular science jounral that is published weekly both in print and online. He shares his online account with all of the members in his lab and allows his students to print pages from the online version as well as scan copies from the paper version. Is this ethical? legal?

4. Dr. M, a new chemistry professor, is assigned to be the director of the lab safety course. This course has no syllabus and over two years Dr. M writes a complete syllabus with helpful references, problem sets, procedures, and directions. He publishes a well mainted website containing links to all of the material. A year later he is informed that his faculty contract will not be renewed and takes a job at another nearby university. Dr. M removes the course materials and syllabus from the website and deletes all of the files. When the department wants to teach the same course the next year, Dr. M replies that they can liscence the materials from him for \$1000[2] dollars. This does not go over well with his previous department chair who claims to hold copyright since she assigned his to teach the class.

[2] or lots